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P#10

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/276,484A

DATE: 11/16/2000

TIME: 16:33:24

Input Set : A:\465c1.app

Output Set: N:\CRF3\11162000\I276484A.raw

4 <110> APPLICANT: Gaiger, Alexander  
5 Cheever, Martin A.  
7 <120> TITLE OF INVENTION: COMPOSITONS AND METHODS FOR WT1 SPECIFIC  
8 IMMUNOTHERAPY  
10 <130> FILE REFERENCE: 210121.465C1  
12 <140> CURRENT APPLICATION NUMBER: US 09/276,484A  
13 <141> CURRENT FILING DATE: 1999-03-25  
15 <150> PRIOR APPLICATION NUMBER: US 09/164,223  
16 <151> PRIOR FILING DATE: 1999-09-30  
18 <160> NUMBER OF SEQ ID NOS: 326  
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
24 <210> SEQ ID NO: 1  
25 <211> LENGTH: 17  
26 <212> TYPE: PRT  
27 <213> ORGANISM: Homo sapien  
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31 1 5 10 15  
32 Gly  
35 <210> SEQ ID NO: 2  
36 <211> LENGTH: 23  
37 <212> TYPE: PRT  
38 <213> ORGANISM: Homo sapien  
40 <400> SEQUENCE: 2  
41 Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe Pro Asn Ala Pro  
42 1 5 10 15  
43 Tyr Leu Pro Ser Cys Leu Glu  
44 20  
46 <210> SEQ ID NO: 3  
47 <211> LENGTH: 23  
48 <212> TYPE: PRT  
49 <213> ORGANISM: Mus musculus  
51 <400> SEQUENCE: 3  
52 Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe Pro Asn Ala Pro  
53 1 5 10 15  
54 Tyr Leu Pro Ser Cys Leu Glu  
55 20  
57 <210> SEQ ID NO: 4  
58 <211> LENGTH: 19  
59 <212> TYPE: PRT  
60 <213> ORGANISM: Homo sapien  
62 <400> SEQUENCE: 4  
63 Gly Ala Thr Leu Lys Gly Val Ala Ala Gly Ser Ser Ser Ser Val Lys  
64 1 5 10 15  
65 Trp Thr Glu  
68 <210> SEQ ID NO: 5  
69 <211> LENGTH: 22

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70	<212> TYPE: DNA	
71	<213> ORGANISM: Homo sapien	
73	<400> SEQUENCE: 5	
74	gagagtcaga cttgaaagca gt	
76	<210> SEQ ID NO: 6	22
77	<211> LENGTH: 20	
78	<212> TYPE: DNA	
79	<213> ORGANISM: Homo sapien	
81	<400> SEQUENCE: 6	
82	ctgagcctca gcaaatgggc	
84	<210> SEQ ID NO: 7	20
85	<211> LENGTH: 27	
86	<212> TYPE: DNA	
87	<213> ORGANISM: Homo sapien	
89	<400> SEQUENCE: 7	
90	gagcatgcat gggctccgac gtgcggg	
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95	<213> ORGANISM: Homo sapien	
97	<400> SEQUENCE: 8	
98	ggggtaccca ctgaacggtc cccga	
100	<210> SEQ ID NO: 9	25
101	<211> LENGTH: 18	
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103	<213> ORGANISM: Mus musculus	
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108	<210> SEQ ID NO: 10	18
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111	<213> ORGANISM: Mus musculus	
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130	ggggtacctc aaagcgccac gtggagttt	
132	<210> SEQ ID NO: 13	29
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134	<212> TYPE: PRT	

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139 1 5 10 15  
140 Gly  
142 <210> SEQ ID NO: 14  
143 <211> LENGTH: 19  
144 <212> TYPE: PRT  
145 <213> ORGANISM: Mus musculus  
147 <400> SEQUENCE: 14  
148 Gly Ala Thr Leu Lys Gly Met Ala Ala Gly Ser Ser Ser Ser Val Lys  
149 1 5 10 15  
150 Trp Thr Glu  
152 <210> SEQ ID NO: 15  
153 <211> LENGTH: 15  
154 <212> TYPE: PRT  
155 <213> ORGANISM: Homo sapien  
157 <400> SEQUENCE: 15  
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159 1 5 10 15  
161 <210> SEQ ID NO: 16  
162 <211> LENGTH: 15  
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164 <213> ORGANISM: Mus musculus  
166 <400> SEQUENCE: 16  
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168 1 5 10 15  
170 <210> SEQ ID NO: 17  
171 <211> LENGTH: 14  
172 <212> TYPE: PRT  
173 <213> ORGANISM: Mus musculus  
175 <400> SEQUENCE: 17  
176 Val Arg Arg Val Ser Gly Val Ala Pro Thr Leu Val Arg Ser  
177 1 5 10  
179 <210> SEQ ID NO: 18  
180 <211> LENGTH: 14  
181 <212> TYPE: PRT  
182 <213> ORGANISM: Homo sapien  
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185 Val Arg Arg Val Pro Gly Val Ala Pro Thr Leu Val Arg Ser  
186 1 5 10  
188 <210> SEQ ID NO: 19  
189 <211> LENGTH: 15  
190 <212> TYPE: PRT  
191 <213> ORGANISM: Homo sapien  
193 <400> SEQUENCE: 19  
194 Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val Arg His His  
195 1 5 10 15  
197 <210> SEQ ID NO: 20

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198 <211> LENGTH: 15
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200 <213> ORGANISM: Mus musculus
202 <400> SEQUENCE: 20
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204   1           5           10           15
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207 <211> LENGTH: 21
208 <212> TYPE: DNA
209 <213> ORGANISM: Mus musculus
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214 <210> SEQ ID NO: 22
215 <211> LENGTH: 21
216 <212> TYPE: DNA
217 <213> ORGANISM: Mus musculus
219 <400> SEQUENCE: 22
220   atgttgtgat ggcggaccaa t
222 <210> SEQ ID NO: 23
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224 <212> TYPE: DNA
225 <213> ORGANISM: Homo sapien
227 <400> SEQUENCE: 23
228   gtggggcgcc ccaggcacca
230 <210> SEQ ID NO: 24
231 <211> LENGTH: 24
232 <212> TYPE: DNA
233 <213> ORGANISM: Homo sapien
235 <400> SEQUENCE: 24
236   gtccttaatg ctacgcacga ttic
238 <210> SEQ ID NO: 25
239 <211> LENGTH: 21
240 <212> TYPE: DNA
241 <213> ORGANISM: Homo sapien
243 <400> SEQUENCE: 25
244   ggcacatgag accagtgaga a
246 <210> SEQ ID NO: 26
247 <211> LENGTH: 21
248 <212> TYPE: DNA
249 <213> ORGANISM: Homo sapien
251 <400> SEQUENCE: 26
252   gctgtcccac ttacagatgc a
254 <210> SEQ ID NO: 27
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257 <213> ORGANISM: Homo sapien
259 <400> SEQUENCE: 27
260   tcaaagcgcc agctggagtt t
262 <210> SEQ ID NO: 28
  
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Input Set : A:\465c1.app  
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265 <213> ORGANISM: Homo sapien  
267 <400> SEQUENCE: 28  
268 Ala Ala Gly Ser Ser Ser Ser Val Lys  
269 1 5  
271 <210> SEQ ID NO: 29  
272 <211> LENGTH: 9  
273 <212> TYPE: PRT  
274 <213> ORGANISM: Homo sapien  
276 <400> SEQUENCE: 29  
277 Ala Ala Gln Phe Pro Asn His Ser Phe  
278 1 5  
280 <210> SEQ ID NO: 30  
281 <211> LENGTH: 9  
282 <212> TYPE: PRT  
283 <213> ORGANISM: Homo sapien  
285 <400> SEQUENCE: 30  
286 Ala Glu Pro His Glu Glu Gln Cys Leu  
287 1 5  
289 <210> SEQ ID NO: 31  
290 <211> LENGTH: 9  
291 <212> TYPE: PRT  
292 <213> ORGANISM: Homo sapien  
294 <400> SEQUENCE: 31  
295 Ala Gly Ala Cys Arg Tyr Gly Pro Phe  
296 1 5  
298 <210> SEQ ID NO: 32  
299 <211> LENGTH: 9  
300 <212> TYPE: PRT  
301 <213> ORGANISM: Homo sapien  
303 <400> SEQUENCE: 32  
304 Ala Gly Ser Ser Ser Ser Val Lys Trp  
305 1 5  
307 <210> SEQ ID NO: 33  
308 <211> LENGTH: 9  
309 <212> TYPE: PRT  
310 <213> ORGANISM: Homo sapien  
312 <400> SEQUENCE: 33  
313 Ala Ile Arg Asn Gln Gly Tyr Ser Thr  
314 1 5  
316 <210> SEQ ID NO: 34  
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318 <212> TYPE: PRT  
319 <213> ORGANISM: Homo sapien  
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322 Ala Leu Leu Pro Ala Val Pro Ser Leu  
323 1 5  
325 <210> SEQ ID NO: 35

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VERIFICATION SUMMARY

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